

# Specifications

Photo is representative

## Eaton PDG33K0250P9YL

Power Defense Globally Rated, Frame 3, Three Pole, 250A, 50kA/480V, PXR25 LSIG Motor Protection w/ Modbus RTU, CAM Link, ZSI and Relays, Std Term Load Only (PDG3X3TA350)

### General specifications

<b>PRODUCT NAME</b>	Eaton Power Defense molded case circuit breaker
<b>CATALOG NUMBER</b>	PDG33K0250P9YL
<b>UPC</b>	786679750018
<b>PRODUCT LENGTH/DEPTH</b>	109.1 mm
<b>PRODUCT HEIGHT</b>	257.1 mm
<b>PRODUCT WIDTH</b>	138.9 mm
<b>PRODUCT WEIGHT</b>	5.92 kg
<b>WARRANTY</b>	Eaton Selling Policy 25-000, one (1) year from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.
<b>COMPLIANCES</b>	RoHS Compliant
<b>CERTIFICATIONS</b>	IEC 60947-2 UL 489 CSA CCC Marked



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## Delivery program

<b>AMPERAGE RATING</b>	250 A
<b>CIRCUIT BREAKER FRAME TYPE</b>	Complete breaker
<b>FRAME</b>	3
<b>NUMBER OF POLES</b>	Three-pole

## Other

<b>COMMUNICATION</b>	Modbus RTU and CAM Link
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## Technical data - Mechanical - Terminals

<b>TERMINALS</b>	Standard Terminals Load Only
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## General information

<b>CIRCUIT BREAKER TYPE</b>	PD3 Global
<b>CLASS</b>	Class A
<b>TRIP TYPE</b>	T296

## Technical data - Electrical

<b>VOLTAGE RATING</b>	600 Vac
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## Technical information

<b>INTERRUPT RATING</b>	50 kAIC at 480 Vac
<b>INTERRUPT RATING RANGE</b>	25 kAIC @600V (UL/CSA) 10 kAIC Icu @250 Vdc 50 kAIC Icu/ 50 kAIC Ics/ 105 kAIC Icm @380-415V (IEC) 25 kAIC Icu/ 10 kAIC Ics/ 52.5 kAIC Icm @525V South Africa (IEC) 50 kAIC @480V (UL) 85 kAIC Icu/ 85 kAIC Ics/ 187 kAIC Icm @240V (IEC) 10 kAIC Icu/ 5 kAIC Ics/ 21 kAIC Icm @690V (IEC) 35 kAIC Icu/ 22.5 kAIC Ics/ 73.5 kAIC Icm @480V Brazil (IEC) 35 kAIC Icu/ 35 kAIC Ics/ 73.5 kAIC Icm @440V (IEC) 85 kAIC @240V (UL)

## Resources

3D CAD DRAWING PACKAGE	<a href="#">Eaton Power Defense PDG33K0250P9YL 3D drawing</a>
BROCHURES	<a href="#">StrandAble terminals product aid</a> <a href="#">Power Defense brochure</a> <a href="#">Power Defense technical selling booklet</a> <a href="#">Power Defense molded case circuit breaker selection poster</a>
CATALOGS	<a href="#">Power Xpert Release trip units for Power Defense molded case circuit breakers</a> <a href="#">Circuit Protection, Molded Case Circuit Breakers, Volume 4, Tab 2</a>
CERTIFICATION REPORTS	<a href="#">PDG3B 450A-600A CB report</a> <a href="#">PDG3 CSA certification 100-400a</a> <a href="#">EU Declaration of Conformity - Power Defense molded case circuit breakers</a> <a href="#">PDG3 CSA certification 250-600a</a> <a href="#">PDG3 UL authorization 250-600a TMTU</a> <a href="#">PDG3 UL authorization 100-400a</a> <a href="#">PDG3 45-400A CB report</a>
INSTALLATION INSTRUCTIONS	<a href="#">Power Defense Frame 3 locking devices and handle block instructions - IL012150EN</a> <a href="#">Power Defense Frame 3 Direct Rotary Handle Assy With Interlock Version Instructions (IL012139EN).pdf</a> <a href="#">Power Defense Frame 3 rear connection installation instructions - IL012300EN</a>

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[Power Defense Frame 3  
handle mech direct rotary  
handle instructions -  
IL012111EN](#)

[Power Defense Frame 3  
shunt trip UVR instructions  
- IL012140EN](#)

[Power Defense Frame 3  
terminal cover assembly  
instructions - IL012281EN](#)

[Power Defense Frame 3  
finger protection assembly  
installation instructions -  
IL012279EN](#)

[Power Defense Frame 3  
extendable shaft rotary  
handle mech - IL012112EN](#)

[Power Defense Frame 3  
reverse feed connector kit  
Cat Num  
PDG3X3\(2\)\(4\)TA630RE  
instructions - IL012253EN](#)

[Power Defense Frame  
2/3/4/5/6 voltage neutral  
sensor module wiring  
instructions - IL012316EN](#)

[Power Defense Frame 3  
interphase barriers 3-pole  
- IL012229EN H01](#)

[Power Defense Frame 3  
Breaker Instructions  
\(IL012107EN\).pdf](#)

[Power Defense Frame 4  
shunt trip UVR instructions  
- IL012129EN](#)

[Power Defense Frame 3  
adapter kit installation  
instructions LZM3 to PD3 -  
IL012227EN](#)

[Power Defense Frame 3  
Aux, Alarm, ST and UVR  
Animated Instructions.rh](#)

[Power Defense Frame 3  
screw terminal end cap  
kit, 400A, 3 pole -  
IL012262EN](#)

[Power Defense Frame 3  
screw terminal end cap kit  
600A, 3 pole - IL012264EN](#)

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[Power Defense Frame 3  
plug-in adapter installation  
instructions - IL012311EN](#)

[Power Defense Frame 3  
interphase barrier -  
IL012229EN H03](#)

[Power Defense Frame 4  
locking devices and handle  
block instructions -  
IL012151EN](#)

[Power Defense Frame 3  
reverse feed connector kit  
Cat Num  
PDG3X3\(2\)\(4\)TA400HRE  
instructions - IL012252EN](#)

[Power Defense Frame 1-2-  
3-4 IP door barrier  
assembly instructions -  
IL012278EN](#)

[Power Defense Frame 3  
terminal kit Cat Num  
PDG3X3\(2\)\(4\)TA400RE  
instructions - IL012251EN](#)

[Power Defense Frame 3  
multi wire connector kit -  
PDG3X3\(2\)\(4\)TA4006W  
and  
PDG3X3\(2\)\(4\)TA4003W  
instructions- IL012247EN  
H01](#)

[Power Defense Frame 3  
box terminal installation  
instructions - IL012299EN](#)

[Power Defense Frame 3  
trip unit replacement  
instructions - IL012157EN](#)

[Power Defense Frame 4  
reverse feed connector kit  
instructions for  
PDG4X3\(2\)\(4\)TA800RE  
instructions - IL012254EN](#)

[Power Defense Frame 3  
multi-tap terminal kit Cat  
Num  
PDG3X3\(2\)\(4\)TA6006W  
Instructions - IL012248EN](#)

[Power Defense Frame 3  
terminal spreader  
assembly instructions -  
IL012301EN](#)

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	<a href="#">Power Defense Frame 3 multi-tap terminal kit Cat Num PDG3X3(2)(4)TA6006WSW instructions - IL012250EN</a>
INSTALLATION VIDEOS	<a href="#">Power Defense Frame 3 Locking Devices and Handle Block Animated Instructions.pdf.rh</a> <a href="#">Power Defense Frame 3 Handle Mech Variable Depth Rotary Handle Animated Instructions.rh</a> <a href="#">Power Defense Frame 3 Shunt Trip_UVR Animated Instructions.pdf.rh</a> <a href="#">Power Defense Frame 3 trip unit replacement animated instructions.rh</a> <a href="#">Power Defense Frame 3 Handle Mech Direct Rotary Handle Animated Instructions.rh</a>
MULTIMEDIA	<a href="#">Eaton Power Defense for superior arc flash safety</a> <a href="#">Power Defense molded case circuit breakers</a> <a href="#">Power Defense Frame 2 Variable Depth Rotary Handle Mechanism Installation How-To Video</a> <a href="#">Power Defense Breakers</a> <a href="#">Power Defense Frame 5 Trip Unit How-To Video</a> <a href="#">Power Defense Frame 3 Variable Depth Rotary Handle Mechanism Installation How-To Video</a> <a href="#">Power Defense Frame 6 Trip Unit How-To Video</a>
SPECIFICATIONS AND DATASHEETS	<a href="#">Eaton Specification Sheet - PDG33K0250P9YL</a>
TIME/CURRENT CURVES	<a href="#">Power Defense time current curve Frame 3 - PD3</a>
WHITE PAPERS	<a href="#">Intelligent power starts with accurate, actionable data</a>

[Intelligent circuit protection yields space savings](#)

[Implementation of arc flash mitigating solutions at industrial manufacturing facilities](#)

[Single and double break MCCB performance revisited](#)

[Molded case and low-voltage power circuit breaker health](#)

[Making a better machine](#)

[Molded case and low-voltage breaker health](#)

[Safer by design: arc energy reduction techniques](#)

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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